INDEPENDENT ASSURANCE
LIMITED OBSERVATION CHECKLIST

Name _____
Qualification # _____ Date _____

DETERMINING THE ASPHALT BINDER CONTENT OF HOT MIX ASPHALT (HMA) BY THE IGNITION METHOD
FOP FOR AASHTO T 308

Tests Performed According to Procedure?	**Yes**	**No**
1. Oven at correct temperature 538°C (1000°F) or correction Factor temperature?	_____	_____
2. Sample reduced to correct size?	_____	_____
3. Mass of sample basket assembly recorded to 0.1 g?	_____	_____
4. With pan below basket(s) sample evenly distributed in basket(s)?	_____	_____
5. Sample conforms to the required mass and mass recorded to 0.1 g?	_____	_____
6. Initial mass entered into furnace controller?	_____	_____
7. Sample correctly placed into furnace?	_____	_____
8. Test continued until stable indicator signals?	_____	_____
9. Uncorrected binder content obtained on printed ticket?	_____	_____
10. Sample mass determined to nearest 0.1 g.?	_____	_____

If "No" was discrepancy corrected? **Yes** **No**
Date of "Split Sample" _____

_____
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Signature of Examiner _____

INDEPENDENT ASSURANCE
LIMITED OBSERVATION CHECKLIST

Name _____
Qualification # _____ Date _____

THEORETICAL MAXIMUM SPECIFIC GRAVITY AND DENSITY OF BITUMINOUS PAVING MIXTURES
FOP FOR AASHTO T 209

Tests Performed According to Procedure?	**Yes**	**No**
1. Sample reduced to correct size?	_____	_____
2. Particles carefully separated insuring that aggregate is not fractured?	_____	_____
3. After separation, fine aggregate particles not larger than 6.4 mm (1/4in)?	_____	_____
4. Sample at room temperature?	_____	_____
5. Mass of bowl or flask & cover determined to 0.1 g?	_____	_____
6. Mass of sample and bowl or flask & cover determined to 0.1 g?	_____	_____
7. Mass of sample calculated and conforms to required size?	_____	_____
8. Water at approximately 25°C (77°F) added to cover sample?	_____	_____
9. Entrapped air removed using partial vacuum for 15 ±2 min?	_____	_____
10. Container and contents agitated continuously by mechanical device or manually by vigorous shaking at intervals of about 2 minutes?	_____	_____
11. Flask filled with water?	_____	_____
12. Flask then placed in constant temperature water bath (optional)?	_____	_____
13. Contents at 25 ±1°C (77 ±1.8°F) or temperature taken and Table 2 in FOP used?	_____	_____
14. Mass of filled flask determined to 0.1 g, 10 ±1 minutes after removal of entrapped air completed?	_____	_____
15. Flask mass with water determined to nearest 0.1 g?	_____	_____
16. Specific gravity calculated correctly and to 0.001?	_____	_____
17. Density calculated correctly and to 1 kg/m^3 (0.1 lb/ft^3)?	_____	_____

If "No" was discrepancy corrected? **Yes** **No**
Date of "Split Sample" _____

_____

_____

Signature of Examiner _____

INDEPENDENT ASSURANCE
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Name _____
Qualification # _____ Date _____

BULK SPECIFIC GRAVITY OF COMPACTED BITUMINOUS MIXTURES USING SATURATED SURFACE-DRY SPECIMENS
FOP FOR AASHTO T 166

Tests Performed According to Procedure?	**Yes**	**No**
1. Mass of dry sample in air determined.		
a. Dried overnight at 52 ±3°C (125 ±5°F) and at successive 2-hour intervals to constant mass?	_____	_____
b. Cooled to room temperature, 25 ±5°C (77 ±9°F)?	_____	_____
c. Dry mass determined to 0.1g?	_____	_____
2. Immersed weight determined.		
a. Water at 25 ±1°C (77 ±1.8°F)?	_____	_____
b. Immersed at 4 ±1 minutes?	_____	_____
c. Immersed weight determined to 0.1g	_____	_____
3. Sample rapidly surface dried with damp cloth?	_____	_____
4. Saturated surface-dry (SSD) mass determined to 0.1g?	_____	_____
5. Specific Gravity calculated to 0.001?	_____	_____

NOTE: Step 1 is not required for laboratory prepared specimens, for specimens obtained in the field, i.e. cores, step 1 may be performed last.

If "No" was discrepancy corrected? **Yes** **No**
Date of "Split Sample" _____

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Signature of Examiner _____

INDEPENDENT ASSURANCE
LIMITED OBSERVATION CHECKLIST

Name _____
Qualification # _____ Date _____

MECHANICAL ANALYSIS OF EXTRACTED AGGREGATE
FOP FOR AASHTO T 30

Tests Performed According to Procedure?	**Yes**	**No**
1. Total dry mass determined to 0.1 g	_____	_____
2. Dry mass agrees with sample mass after ignition (M_f) from AASHTO T 308 within 0.1% of M_f?	_____	_____
3. Sample placed in container and covered with water?	_____	_____
4. Wetting agent added?	_____	_____
5. Contents of container agitated vigorously?	_____	_____
6. Wash water poured through proper nest of two sieves?	_____	_____
7. Washing continued until wash water is clear and no wetting agent remaining?	_____	_____
8. Washed material coarser than 75µm (No. 200) dried to constant mass at 110 ±5°C (230 ±9°F)?	_____	_____
9. Dry mass after washing determined to 0.1 g?	_____	_____
10. Material sieved on specified sieves?	_____	_____
11. Mass of each fraction of aggregate, including minus 75µm (No. 200), determined and recorded to 0.1 g?	_____	_____
12. Percent passing on each sieve determined correctly to the nearest 0.1% and nearest 0.1% on the 75 µm (No. 200)?	_____	_____
13. Percent passing on each sieve reported correctly to the nearest 1% and nearest 0.1% on the 75 µm (No. 200)?	_____	_____
14. Does summation of sieve masses check total washed dry mass to within 0.2 percent?	_____	_____

If "No" was discrepancy corrected?	**Yes**	**No**
Date of "Split Sample" _____		

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Signature of Examiner _____

INDEPENDENT ASSURANCE
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GYRATORY COMPACTION OF HMA MIXTURES
FOP FOR AASHTO T 312

Tests Performed According to Procedure?	**Yes**	**No**
1. Aged mix brought to compaction temperature?	_____	_____
2. Base and upper plate of the mold heated to compaction temperature?	_____	_____
3. Paper disks placed on top and bottom?	_____	_____
4. Mix poured into mold all at once?	_____	_____
5. Pressure applied at 600 kPa ±18 kPa?	_____	_____
6. Specified number of gyrations applied?	_____	_____
7. Compacted specimen removed from mold and allowed to cool to room temperature?	_____	_____
8. Sample correct height at required gyrations (115 ±5mm)?	_____	_____
9. Corrected relative density calculated correctly?	_____	_____

If "No" was discrepancy corrected? **Yes** **No**
Date of "Split Sample" _____

_____
_____
_____
_____

Signature of Examiner _____